

ABSTRACT

A composition for coating glass by chemical-vapor deposition comprises a mixture of a tin oxide precursor monobutyltin trichloride, a silicon dioxide precursor tetraethylorthosilicate, and an accelerant such as triethyl phosphite; the composition is gaseous below 200° C., and permits coating glass having a temperature from 450° to 650° C. at deposition rates higher than 350 Å/sec. The layer of material deposited can be combined with other layers to produce an article with specific properties such as controlled emissivity, refractive index, abrasion resistance, or appearance.

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